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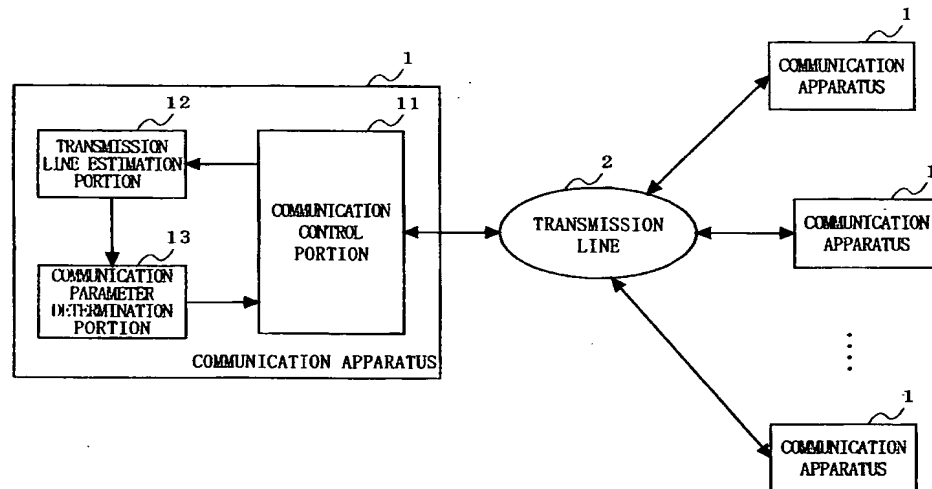
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(54) Title: POWER LINE COMMUNICATION SYSTEM



(57) Abstract: A communication control portion (11) performs most of communication processing performed by a communication apparatus (1). The communication control portion (11) also executes communication with another communication apparatus (1) using a communication parameter determined by a communication parameter determination portion (13). A transmission line estimation portion (12) measures characteristics of a transmission line (2) at a predetermined timing and regarding a predetermined section, and estimates the state of the transmission line (2). The communication parameter determination portion (13) newly generates an optimum communication parameter from a plurality of communication parameters obtained based on an estimation result obtained on the transmission line (2) by the transmission line estimation portion (12).